

PROJECT BACKGROUND

The purpose of this soil and groundwater investigation is to document existing soil and groundwater site conditions in support of mission critical construction activities at the Truax Field Air National Guard (ANG) Base. The site is shown in Figures 1 through 4. Truax Field is completing a construction project that includes setting up a soil holding cell at the project location within the facility. With WDNR's concurrence, a soil and groundwater assessment will be conducted. The project area is an approximately 100 yard by 50 yard area and will be split into three assessment areas. Within each assessment area, 2 soil borings will be advanced; one to 10 feet and one to 15 feet below ground surface (bgs), as outlined in the table below. Two soil samples will be collected from each soil boring. Groundwater is approximately 8 to 9 feet bgs based on information provided by Truax Field ANG. Soil samples will be submitted to a Pace Analytical for analysis as detailed below in the Work Plan. Proposed soil borings are illustrated on **Figure 5**. Bay West will install 3 temporary monitoring wells at the soil boring locations advanced to 15 feet bgs. Groundwater samples will be collected from each temporary monitoring well, submitted to Pace Analyticals for analysis as detailed below in the Work Plan. Proposed temporary monitoring well locations are illustrated on **Figure 5**. Rationale for soil boring locations, temporary monitoring well locations, and corresponding sample analysis are also detailed in the Work Plan below.

TIMELINE

Drilling is anticipated to start on May 25, 2021 and the work is expected to take 2 days to complete (May 25 and May 26, 2021). Samples collected will be analyzed on an expedited 5 business day turnaround time. The lab analysis will be completed no later than June 13, 2021. Bay West will submit the Soil and Groundwater PFAS Letter Report no later than July 1, 2021, in accordance with the approved Scope of Work, dated May 7, 2021.

WORK PLAN

Assessment Area	Boring ID	Boring Depth (feet) ¹	Site	Location Rationale	Soil Analytical Parameters ^{2,3}	Groundwater Analytical Parameters ^{2,3}
					PFAS (WDNR Method)	PFAS (WDNR Method)
Section A	SB01	15	Truax ANG Base Building B1209	Investigate PFAS contamination in the soil, if present. The site is split into 3 assessment areas (Area A through Area C), with 2 soil borings in each assessment area. Soil borings extend 10 or 15 feet bgs, as indicated by Boring ID and Boring Depth.	2	
	SB02	10			2	
Section B	SB03	10			2	
	SB04	15			2	
Section C	SB05	15			2	
	SB06	10			2	
Section A	TW01	15	Investigate PFAS contamination in groundwater, if present. The site is split into 3 assessment areas, with one temporary well in each assessment area.		1	
Section B	TW02	15			1	
Section C	TW03	15			1	
Maximum Total Number of Sample Analyses					12	3
Quality Control						
Number of Blind Duplicate Samples					2	1
Number of Equipment Blank Samples					1	
Number of Field/Trip Blank Samples (1 per event)						1

Notes:

- 1 - Soil samples will be taken at 0.5 feet (6 inches) to 1 foot (12 inches) and 4 foot to 5 foot intervals from each soil boring.
- 2 - 12 total soil samples and 3 total groundwater samples will be analyzed for PFAS compounds using the WDNR Method and WDNR Target List, Version 12.16.2019.
- 3 – Generally, two soil samples will be collected from each soil boring. One groundwater sample will be collected from each temporary well. Samples will
 - Collect grab samples in a in high density polyethylene or polypropylene containers. Avoid polytetrafluoroethylene (PTFE) containers and contact with PTFE surfaces.

Bay West Project Manager Signature Alexandra Blel

Bay West Project Manager



Date: 5/18/2021

Figure 1 - Site Location Map

Truax Field Air National Guard Base
3200 Pierstorff Street, Madison, Wisconsin 53704



Truax Field ANG Base Entrance

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Figure 2 - Site Location Map

Truax Field Air National Guard Base
3200 Pierstorff Street, Madison, Wisconsin 53704
Building B1209

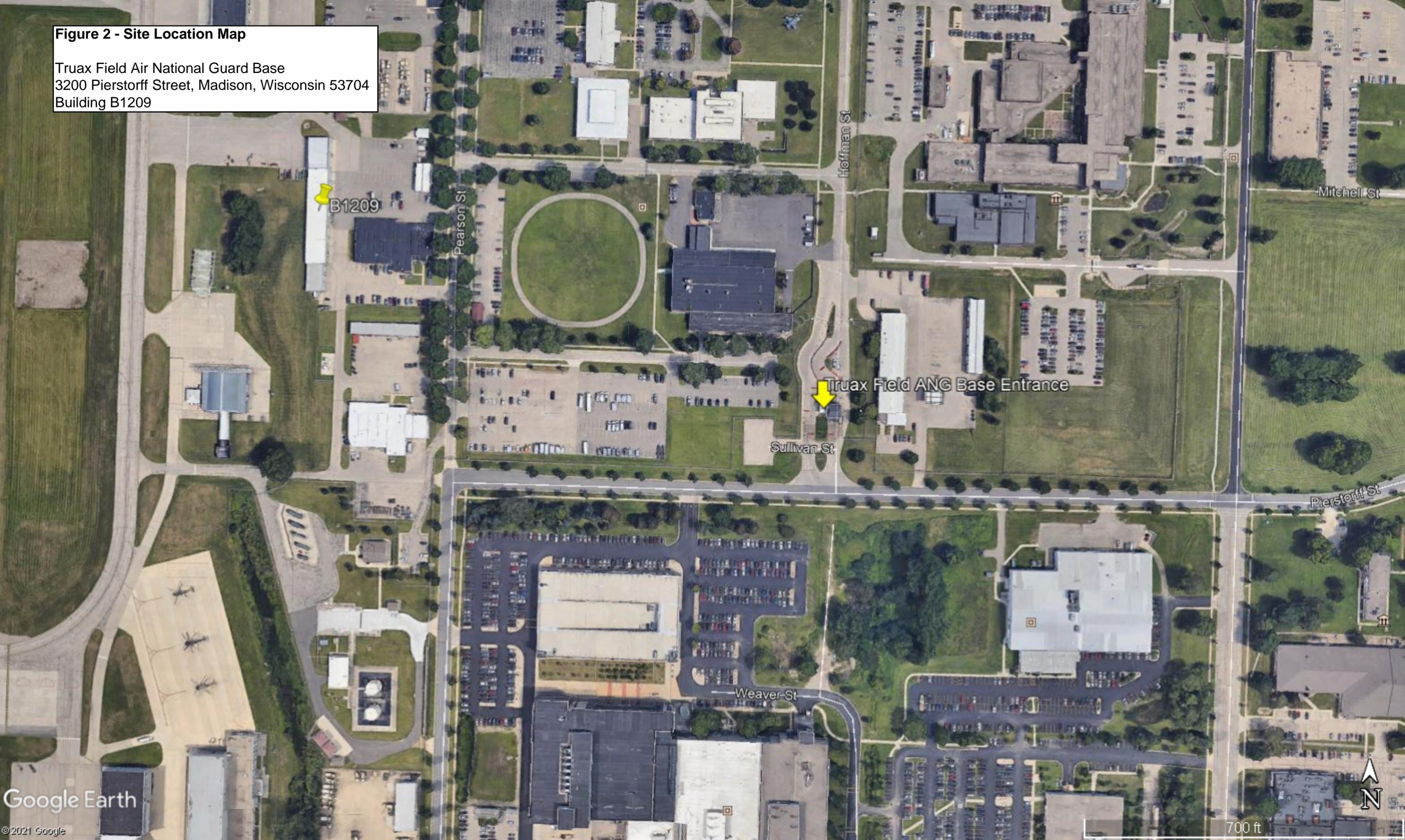




Figure 3 - Investigation Area Map (in Red)
Truax Field Air National Guard Base
3200 Pierstorff Street, Madison, Wisconsin 53704
Building B1209

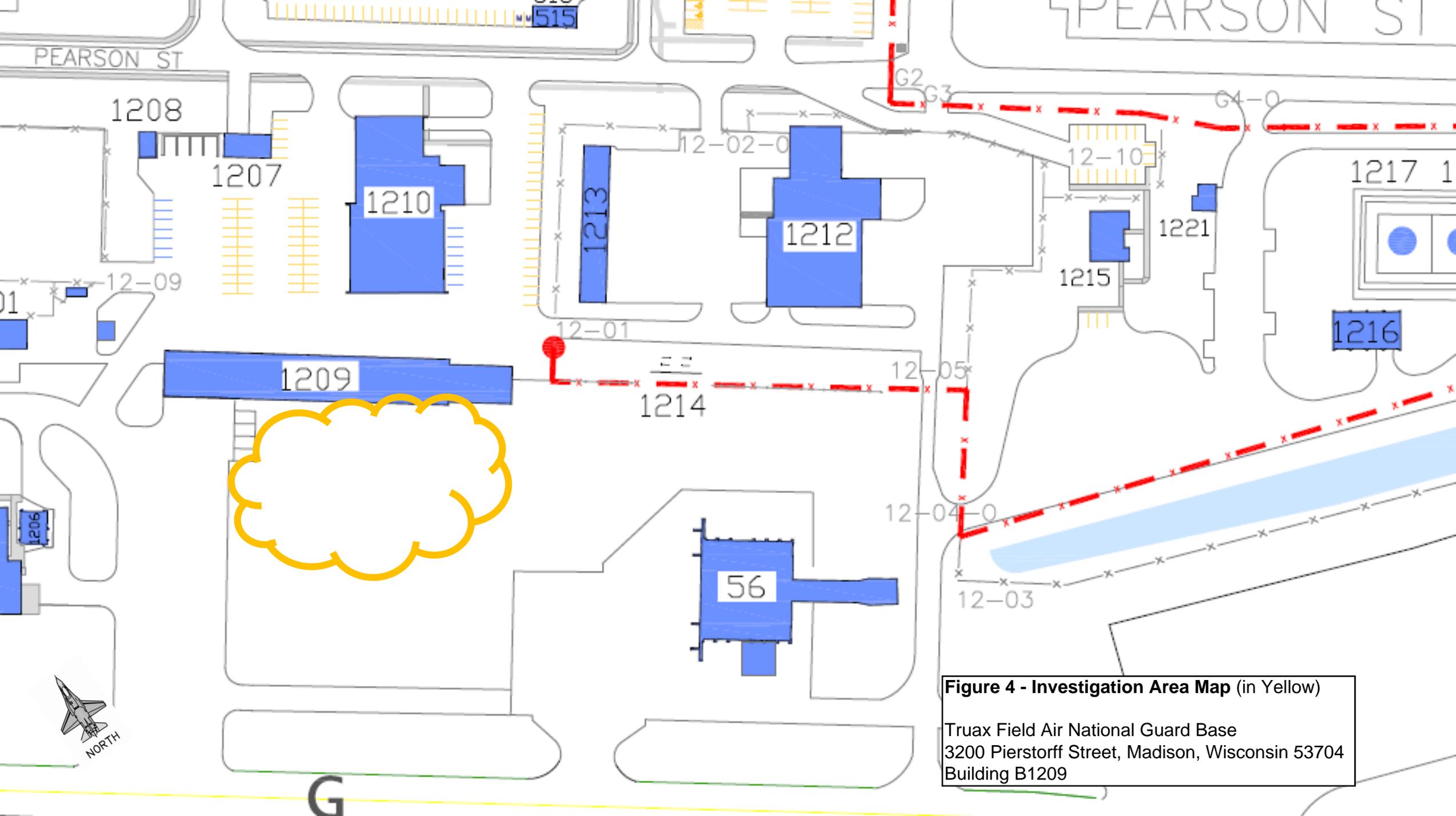


Figure 4 - Investigation Area Map (in Yellow)

Truax Field Air National Guard Base
3200 Pierstorff Street, Madison, Wisconsin 53704
Building B1209

Figure 5 - Proposed Soil Boring Locations (Subject to Change)

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